

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions,
and listings of claims in the application:

LISTING OF CLAIMS:

1-18. (canceled)

19. (previously presented) A canine CD20 protein having an amino acid sequence according to SEQ ID NO: 1.

20. (previously presented) A protein having a homology of 70% or higher with an amino acid sequence according to SEQ ID NO: 1, and having the same function as a canine CD20 protein.

21. (previously presented) A protein having a homology of 80% or higher with an amino acid sequence according to SEQ ID NO: 1, and having the same function as a canine CD20 protein.

22. (currently amended) A canine CD20 protein encoded by a DNA encoding canine CD20 sequence according to SEQ ID NO: 3.

23. (currently amended) A canine CD20 protein encoded by a polynucleotide having a homology of 70% or higher with a DNA sequence according to SEQ ID NO: 3.

24. (currently amended) A canine CD20 protein encoded by a polynucleotide having a homology of 80% or higher with a DNA sequence according to SEQ ID NO: 3.

25. (previously presented) An RNA encoding canine CD20 according to SEQ ID NO: 4.

26. (previously presented) A polynucleotide having a homology of 70% or higher with an RNA sequence according to SEQ ID NO: 4.

27. (previously presented) A polynucleotide having a homology of 80% or higher with an RNA sequence according to SEQ ID NO: 4.

28. (previously presented) A plasmid vector comprising a canine CD20 gene fragment according to Claim 22.

29. (previously presented) A plasmid vector comprising a polynucleotide according to Claim 23.

30. (previously presented) A plasmid vector comprising a canine CD20 gene fragment according to Claim 25.

31. (previously presented) A plasmid vector comprising a polynucleotide according to Claim 26.

32. (previously presented) A transformant comprising a plasmid vector according to Claim 28.

33. (previously presented) A transformant comprising a plasmid vector according to Claim 30.

34. (previously presented) A primer according to SEQ ID NO: 19 for diagnosing canine malignant lymphoma which amplifies canine CD20 gene or a fragment thereof.

35. (previously presented) A primer according to SEQ ID NO: 20 for diagnosing canine malignant lymphoma which amplifies canine CD20 gene or a fragment thereof.

36. (previously presented) A method of diagnosing canine malignant lymphoma by amplifying canine CD20 gene or a fragment thereof to examine expression of the canine CD20 gene using a primer according to Claim 34.

37. (previously presented) A plasmid vector comprising a polynucleotide according to Claim 24.

38. (previously presented) A plasmid vector comprising a polynucleotide according to Claim 27.

39. (previously presented) A transformant comprising a plasmid vector according to Claim 29.

40. (previously presented) A transformant comprising a plasmid vector according to Claim 31.